

Patent Abstracts of Japan

PUBLICATION NUMBER : 09048043
PUBLICATION DATE : 18-02-97

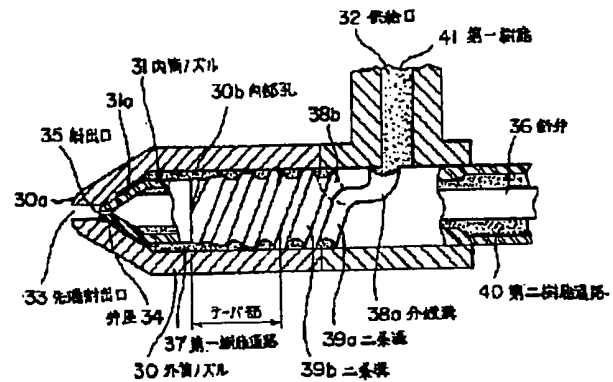
APPLICATION DATE : 09-08-95
APPLICATION NUMBER : 07203247

APPLICANT : MITSUBISHI HEAVY IND LTD;

INVENTOR : YONETANI HIDEO;

INT.CL. : B29C 45/22 B29C 45/16 B29C 45/58

TITLE : TWO COLOR INJECTION MOLDING
NOZZLE OF INJECTION MOLDING
MACHINE



ABSTRACT : PROBLEM TO BE SOLVED: To carry out the color-change replacement of resin material with a small quantity replacement resin without providing residual and inclusion of resin before replacement.

SOLUTION: A first resin communication path 37 is formed such that an inner cylindrical nozzle 31 is slidably fixed in the inner peripheral part of an outer cylindrical nozzle 30, and double striped grooves 39a, 39b communicated to branch grooves 38a, 38b of a supply port 32 are spirally peripherally provided on the outer peripheral surface of the inner cylindrical nozzle 31. The first resin path 37 is constituted further so as to contact and force the first resin 41 supplied from a first heating cylinder to the inner cylindrical nozzle 31 through the double striped grooves 39a, 39b, and subsequently to be injected, flowing through the tip end injection port of the outer cylindrical nozzle 30, into the mold cavity. The second resin path 40 is formed lineally within the inner cylindrical nozzle 31.

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